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09/904,269	07/12/2001	Dennis L. Matthies	ITL.0571US (P11416)	2029
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1616 S. VOSS	ROAD, SUITE 750	RAABE, CHRISTOPHER M		
HOUSTON, TX 77057-2631			ART UNIT	PAPER NUMBER
		•	2879	
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			MAIL DATE	DELIVERY MODE
			06/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)		
		09/904,269	MATTHIES, DENNIS L.		
	Office Action Summary	Examiner	Art Unit		
		Christopher M. Raabe	2879		
Period fo	The MAILING DATE of this communication app	ears on the cover sheet with the	correspondence address		
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DYN nsions of time may be available under the provisions of 37 CFR 1.11 SIX (6) MONTHS from the mailing date of this communication. Depriod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from the application to become ABANDON	DN. timely filed m the mailing date of this communication. NED (35 U.S.C. § 133).		
Status					
1)⊠	Responsive to communication(s) filed on <u>04 Ja</u>	anuary 2007.			
	This action is FINAL . 2b)⊠ This action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is				
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11,	453 O.G. 213.		
Disposit	ion of Claims				
5)□ 6)⊠ 7)□	Claim(s) 1,2 and 4-20 is/are pending in the appear of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1,2,4-20 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/o	wn from consideration.			
Applicat	ion Papers				
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Examine	epted or b) objected to by the drawing(s) be held in abeyance. S ion is required if the drawing(s) is c	ee 37 CFR 1.85(a). objected to. See 37 CFR 1.121(d).		
Priority (under 35 U.S.C. § 119				
12) [a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents: 2. Certified copies of the priority documents: 3. Copies of the certified copies of the priority application from the International Bureausee the attached detailed Office action for a list	s have been received. s have been received in Applica rity documents have been received in Applica u (PCT Rule 17.2(a)).	ution No ved in this National Stage		
	te of References Cited (PTO-892)	4) Interview Summa			
3) 🔲 Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	Paper No(s)/Mail 5) Notice of Informal 6) Other:			

DETAILED ACTION

1. In view of the Appeal filed on January 4, 2007, PROSECUTION IS HEREBY REOPENED. New grounds of rejection are set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

- (1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,
- (2) initiate a new appeal by filing a notice of appeal under 37 CFR 41.31 followed by an appeal brief under 37 CFR 41.37. The previously paid notice of appeal fee and appeal brief fee can be applied to the new appeal. If, however, the appeal fees set forth in 37 CFR 41.20 have been increased since they were previously paid, then appellant must pay the difference between the increased fees and the amount previously paid.

A Supervisory Patent Examiner (SPE) has approved of reopening prosecution by signing below:

2. Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 1,2,4-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakamura et al. (USPN 20010033894) in view of Wu et al. (USPN 5634835).

With regard to claim 1,

Nakamura et al. disclose at least in figures 2a, 2b, 9, 14a and 14b a method comprising: temporarily flattening a sheet (1, 216) by applying a flattening force (via chuck 2, 234) to the center of said sheet (1,216); applying films (5,6) to said sheet while said sheet (1) is held in a flattened configuration; and securing said sheet (1) to a second sheet (10,30) while continuing to hold the center of said sheet (1,216) in a flattened configuration (via chuck 2,234).

Nakamura et al. do not disclose the films to be row and column electrodes.

Wu et al. do disclose in column 9, lines 55-60 forming on a substrate films that are row and column electrodes, allowing for effective control of device emission.

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the method of Nakamura et al. with that of Wu et al. in order to effectively control emission.

With regard to claim 2,

Nakamura et al. disclose the method of claim 1, wherein temporarily flattening the sheet (1,216) includes placing the sheet (1,216) in a vacuum chuck (2,234) and applying a vacuum (via 2,234), flattening the sheet.

With regard to claim 4,

Nakamura et al. disclose the method of claim 1.

Nakamura et al. do not disclose applying light emitting material to said sheet.

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Wu et al. do disclose in column 9, lines 55-60 wherein processing of said sheet includes applying light emitting material to said sheet, providing effective display emission.

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the method of Wu et al. with that of Nakamura et al. in order to provide effective display emission.

With regard to claim 5,

Nakamura et al. disclose the method of claim 4.

Nakamura et al. do not disclose applying light emitting material to said sheet.

Wu et al. (see the rejection of claim 4) do disclose applying light emitting material to said sheet between said row and column electrodes, but not wherein applying a light emitting material to said sheet includes applying an organic light emitting material. However it was well known to those of ordinary skill in the art at the time of the invention to utilize organic light emitting materials in order to reduce method cost.

With regard to claim 6,

Nakamura et al. disclose the method of claim 1, further including processing said second sheet (10,30) in a flattened configuration (via 202,322,321).

With regard to claim 7,

Nakamura et al. disclose the method of claim 6 including processing said second sheet (10,30) in a chuck (202,322,321).

With regard to claim 8,

Nakamura et al. disclose the method of claim 7 including processing both said first (1, 216) and second (10,30) sheets in chucks (2,202,234,322,321) and combining said sheets (1,216,10,30) using said chucks (2,202,234,322,321).

With regard to claim 9,

Nakamura et al. disclose the method of claim 1.

Nakamura et al. do not disclose securing said first and second sheets to an integrator plate. However integrator plates were well known to and widely used by those of ordinary skill in the art at the time of the invention to provide a fixed distance between front and back panels of a display device, and hence would have been obvious to incorporate into the method of Nakamura et al.

With regard to claim 10,

Nakamura et al. disclose the method of claim 9 including surface mounting said first (1,216) and second sheets (10,30).

With regard to claim 11,

Nakamura et al. disclose the method of claim 8 including surface mounting said first (1,216) and second sheets (10,30) in said chucks (2,202,234,322,321).

With regard to claim 12,

Nakamura et al. disclose a method comprising: receiving a warped sheet (1,216); temporarily flattening said sheet (1,216) for processing by applying a force (via 2,234) to the

center of said sheet (1,216); processing said center-flattened, warped sheet (1,216) by applying films (5,6); and securing said center-flattened warped sheet (1,216) to a planar surface (10,30).

Nakamura et al. do not disclose the films to be electrodes.

Wu et al. do disclose in column 9, lines 55-60 forming on a substrate films that are row and column electrodes, allowing for effective control of device emission.

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the method of Nakamura et al. with that of Wu et al. in order to effectively control emission.

With regard to claim 13,

Nakamura et al. disclose the method of claim 12, including securing said flattened sheet (1,216) to a second sheet (10,30) while continuing to hold said flattened sheet (1,216) in a flattened configuration (via 2,234(,

With regard to claim 14,

Nakamura et al. disclose the method of claim 12, wherein temporarily flattening the sheet (1,216) includes placing the sheet (1,216) in a vacuum chuck (2,234) and applying a vacuum (via 2,234) to flatten the sheet (1,216).

With regard to claim 15,

Nakamura et al. disclose the method of claim 12.

Nakamura et al. do not disclose securing said flattened sheet to a rigid planar integrating plate. However the use of a rigid planar integrator plate was well known to and widely practiced by those of ordinary skill in the art at the time of the invention to provide a fixed distance

between front and back panels of a display device, and hence would have been obvious to incorporate into the method of Nakamura et al.

With regard to claim 16,

Nakamura et al. disclose a method comprising: temporarily flattening a sheet (10,30) by applying a force (via 202,322,321) to the center of said sheet (10,30); processing a panel (1,216) while continuing to hold the center of said sheet (10,30) in a flattened configuration (via 202,322,321); and securing said sheet (10,30) to said panel (1,216) while continuing to hold the center of said sheet (10,30) in a flattened configuration (via 202,322,321).

Nakamura et al. do not disclose the processing to include forming row and column electrodes.

Wu et al. do disclose in column 9, lines 55-60 forming on a substrate films that are row and column electrodes, allowing for effective control of device emission.

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the method of Nakamura et al. with that of Wu et al. in order to effectively control emission.

Additionally, Nakamura et al. do not disclose the sheet to be made of ceramic, nor the panel to be made of glass. However, the use of a ceramic sheet and glass panel was well known to those of ordinary skill in the art at the time of the invention to provide strong, versatile substrates for display devices, and hence would have been obvious to incorporate into the method of Nakamura et al.

With regard to claim 17,

Nakamura et al. disclose the method of claim 16.

Nakamura et al. do not disclose securing said sheet and said panel to an integrating plate. However integrator plates were well known to and widely used by those of ordinary skill in the art at the time of the invention to provide a fixed distance between front and back panels of a display device, and hence would have been obvious to incorporate into the method of Nakamura et al.

With regard to claim 18,

Nakamura et al. disclose the method of claim 16, wherein temporarily flattening the sheet (10,30) by placing the sheet in a vacuum chuck (202,322,321) and applying a vacuum (via 202,322,321) to flatten the sheet (10,30).

The obviousness of the use of ceramic material was addressed in the rejection of claim 16.

With regard to claim 19,

Nakamura et al. disclose the method of claim 16.

Nakamura et al. do not disclose wherein processing said panel further includes applying an organic light emitting material between said row and column electrodes.

Wu et al. do disclose in column 9, lines 55-60 wherein processing of said sheet includes applying light emitting material to said sheet, providing effective display emission.

It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the method of Wu et al. with that of Nakamura et al. in order to provide effective display emission

With regard to claim 20,

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sheet (10,30) and said panel (1,216) in chucks and combining said sheet (10,30) and said panel

Nakamura et al. disclose the method of claim 16, further including processing both said

(1,216) using said chucks (2,234,202,322,321).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Christopher M. Raabe whose telephone number is 571-272-8434. The

examiner can normally be reached on m-f 7am-3:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nimesh Patel can be reached on 571-272-2457. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

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CR

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